

ENGR 310

Lecture 2

18 JAN 2008



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

Mountains & Minds

Recitation Preference

Please fill out the online survey
by **Wednesday, Jan. 23**
to indicate your recitation preference.

www.coe.montana.edu/engr310

Recitation Sections will be assigned on
Friday, Jan. 25.



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Design Challenge

Objective: Build a bridge that will hold a roll of 50 pennies, at or above the plane of the desks, with maximum possible span.

Materials: Paper (20 sheets max.)
one 400" roll of tape

Constraints: Roll of pennies must be positioned between support points.
Bridge will span two desk chairs.



Design Challenge, cont.

Evaluation:

Performance will be measured by inches of span between two closest support points.

Bridge failure occurs when deflection drops below plane of desks, as determined by the judge.



Homework

Write a reflective essay

In your journal

About what worked well, and

what you would do differently next time.



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